

## ABSTRACT

A photocatalyst module comprising a substrate, for example, a metallic substrate, a layer of a photocatalyst  
5 such as titanium oxide, and a protective layer containing lithium silicate provided between the substrate and the layer of a photocatalyst wherein the protective layer can sufficiently withstand the heat in a step for forming the layer of a photocatalyst by a flame spray coating method and  
10 can prevents oxidation and/or decomposition of the substrate is disclosed.